

OMNIDOTS SWARM V2.1 SENSOR

VIBRATION MONITORING SYSTEM

2018SwarmV2.1 Rev01 – Product Specifications are Subject to Change



Data acquisition	Direction	X,Y,Z
	Range frequency	0.5 - 250 Hz
	Range velocity	0.2 - 50.0 mm/s (0.00787 - 1.9685 in/sec)
	Resolution	0.01 mm/s (0.00039 in/sec)
	Dominant frequency determination	FFT
GPS location	Sensor type	GPS receiver
	Accuracy	10 meter CEP
Sensor tilt	Maximum velocity level	50 mm/s (1.9685 in/sec)

Logging interval time	Range	2 - 6000 s
Trigger level (minimum logging level)		0.2 - 50.0 mm/s (0.00787 - 1.9685 in/sec)
Applicable standards		SBR-A DIN4150-3 BS7385
Alarm settings	Alarm level curve	SBR curve; DIN curve, Straight Line
	Type of message	E-mail, SMS and personal dashboard

OMNIDOTS SWARM V2.1 SENSOR

VIBRATION MONITORING SYSTEM

2018SwarmV2.1 Rev01 – Product Specifications are Subject to Change



Honeycomb cloud service (personal dashboard)	Velocity	Top velocity
	Frequency	Dom Frequency
	Traces	1000 Hz data
	Trace length	2 - 10 seconds
	Number of traces	Unlimited
	Data Storage	Secure Data centre

Time	Clock Stability	0.01 sec
Connection	Connector	Mini USB
Communication	Wireless	WiFi, 4G/ LTE
	Cable	USB
Modem	Sim type	Micro
	Network	4G/ LTE
Ambient Conditions	Moist protection	IP65
	Temperature range operating	-10 - 70 degree Celsius
	Temperature range storage	-30 - 90 degree Celsius
Dimensions		10.9 x 13.0 x 4.5 cm (0.43 x 0.51 x 0.18 inch)
Weight		260 gr (9.17 oz)
Mounting	Included	1 screw, 1 plug
Sensor positioning	Auto leveling; Auto axes alignment	Automatic adjustment by gravity